

What is claimed is:

1. In a method for recovering multiple separate tripropylene glycol products from a mixture of dipropylene glycol, tripropylene glycol, tetrapropylene glycol, glycols heavier than tetrapropylene glycol, and at least one aldehyde compound, wherein a blend of dipropylene glycol and tripropylene glycol is removed from said mixture thereby leaving a composition that contains a major amount of tripropylene glycol and minor amounts of dipropylene glycol, at least one aldehyde, tetrapropylene glycol, and glycols heavier than tetrapropylene glycol, the improvement comprising separating from said material a first stream consisting essentially of tripropylene glycol and aldehyde thereby leaving the remainder of said material as a second stream concentrate that contains residual tripropylene glycol and aldehyde, and mixing with said first stream at least one additive that reacts with and neutralizes said aldehyde, said additive being employed in an amount sufficient to produce a first individual tripropylene glycol product that contains no more than 20 ppm of said aldehyde and which contains said neutralizing additive.
2. The method of claim 1 wherein said second stream concentrate is mixed with at least one additive that reacts with and neutralizes said aldehyde, thereafter separating from said second stream concentrate that contains said additive a second separate individual tripropylene glycol product that contains no more than 20 ppm of aldehyde and which contains essentially no additive, and separately recovering from said second stream concentrate a third stream which contains said additive, tripropylene glycol, tetrapropylene glycol, and glycols heavier than tetrapropylene glycol, whereby two separate acrylate grade tripropylene glycol products are produced, one product containing neutralizing additive and one product essentially free of neutralizing additive.

3. The method of claim 1 wherein said neutralizing additive is at least one alkali metal borohydride.
4. The method of claim 1 wherein said composition of claim 1 contains at least about 85 weight percent tripropylene glycol, no more than about 1 weight percent dipropylene glycol and lighter molecules, no more than about 13 weight percent tetrapropylene glycol and heavier glycols, and no more than about 1 weight percent aldehyde, all weight percents being based on the total weight of said material.
5. The method of claim 1 wherein said first tripropylene glycol product contains an amount of neutralizing additive sufficient to reduce the aldehyde content of said first product to substantially below 20 ppm.